

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015628.D
 Acq On : 10 Apr 2020 17:49
 Operator : JC/SP
 Sample : L2190-05DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW071-200406DL

Quant Time: Apr 11 00:34:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1075009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1673633	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1626146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	872036	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	681172	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
35) Dibromofluoromethane	5.47	113	504306	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	8.70	98	2005640	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.12	95	856463	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	

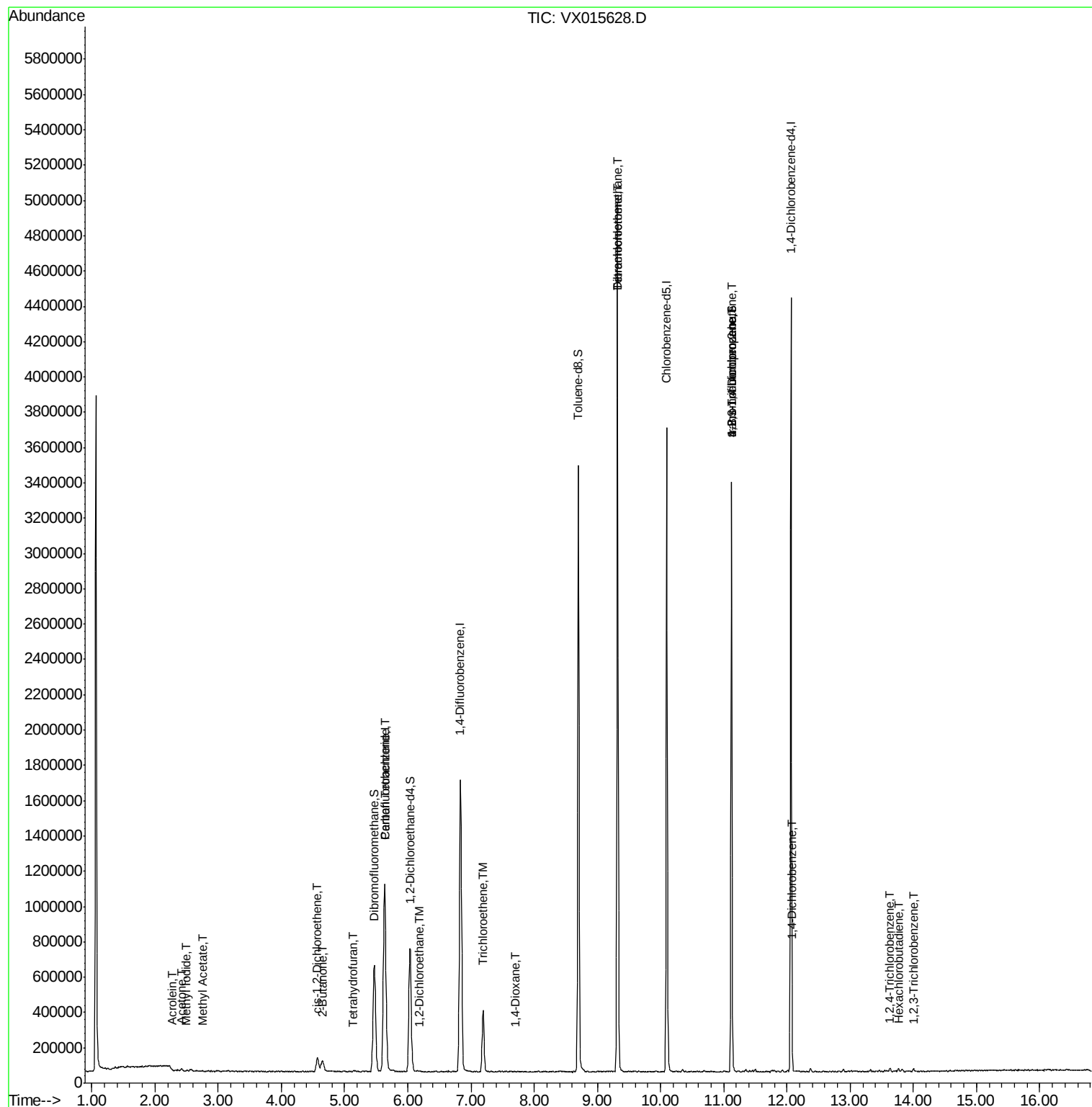
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	251	Below Cal	#	80
10) Methyl Iodide	2.50	142	2675	0.205	ug/l #	70
13) Acrolein	2.28	56	1602	0.775	ug/l #	14
16) Acetone	2.42	43	17027	2.614	ug/l #	89
18) Methyl Acetate	2.75	43	4484	0.270	ug/l #	56
25) 2-Butanone	4.65	43	5934	0.566	ug/l #	72
27) cis-1,2-Dichloroethene	4.58	96	50959	3.910	ug/l	92
29) Tetrahydrofuran	5.12	42	2190	0.325	ug/l #	83
38) Carbon Tetrachloride	5.63	117	103015	6.168	ug/l #	15
42) 1,2-Dichloroethane	6.17	62	3859	0.213	ug/l	96
44) Trichloroethene	7.20	130	135721	11.017	ug/l	90
49) 1,4-Dioxane	7.70	88	271	0.858	ug/l #	1
60) Dibromochloromethane	9.32	129	869250	63.400	ug/l #	11
64) Tetrachloroethene	9.32	164	970252	79.061	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	441239	24.605	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	441239	59.039	ug/l #	10
88) 1,4-Dichlorobenzene	12.09	146	6312	0.227	ug/l #	25
93) 1,2,4-Trichlorobenzene	13.63	180	6243	0.296	ug/l	96
94) Hexachlorobutadiene	13.76	225	3824	0.380	ug/l	92
96) 1,2,3-Trichlorobenzene	14.00	180	5301	0.261	ug/l	94

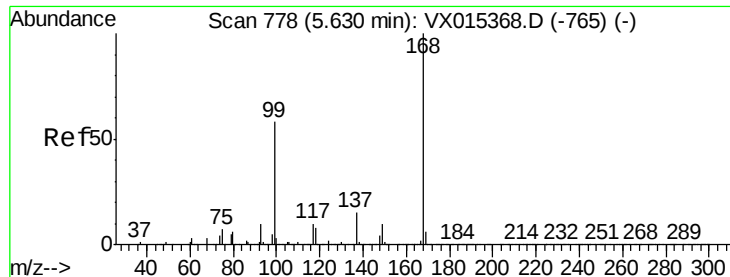
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

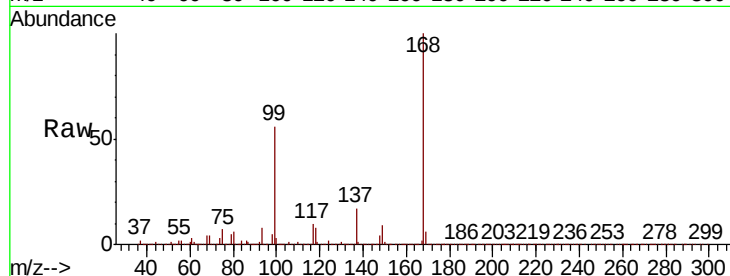
KY062MW071-200406DL

Tot Ion:168 Resp: 1075009

Ion Ratio Lower Upper

168 100

99 56.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

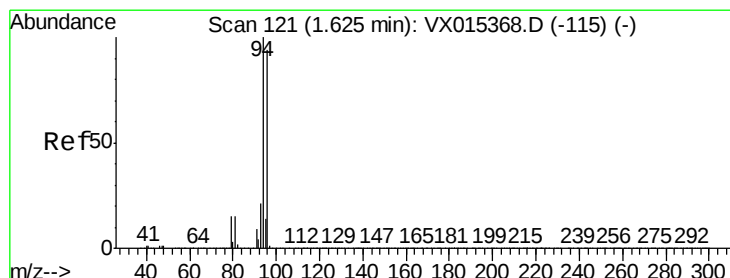
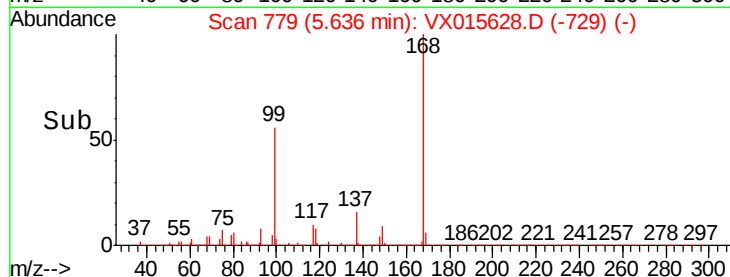
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015628.D

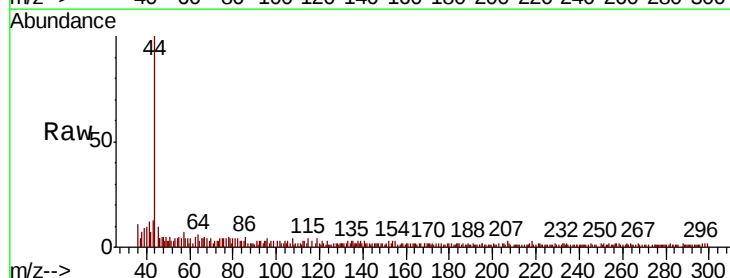
Acq: 10 Apr 2020 17:49

Tgt Ion: 94 Resp: 251

Ion Ratio Lower Upper

94 100

96 112.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

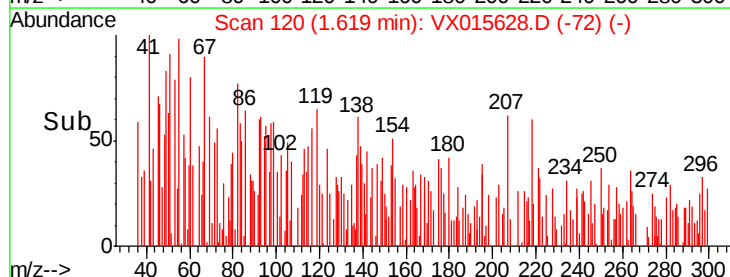
600

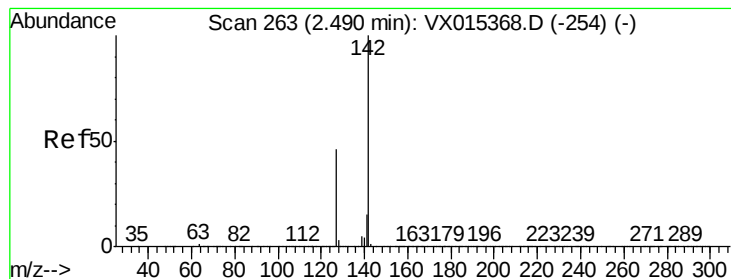
400

200

0

Time-->





#10

Methyl Iodide

Concen: 0.205 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-200406DL

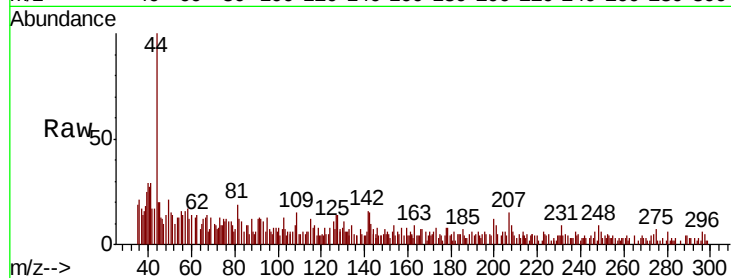
Tot Ion:142 Resp: 2675

Ion Ratio Lower Upper

142 100

127 30.2 35.9 53.9#

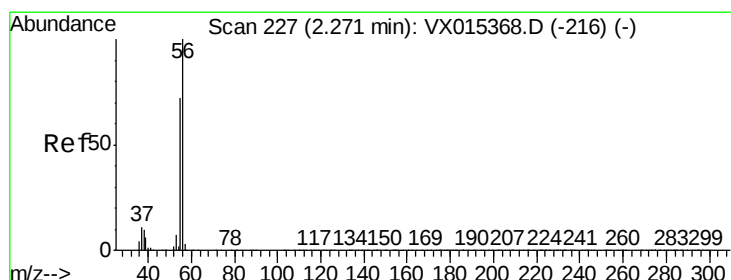
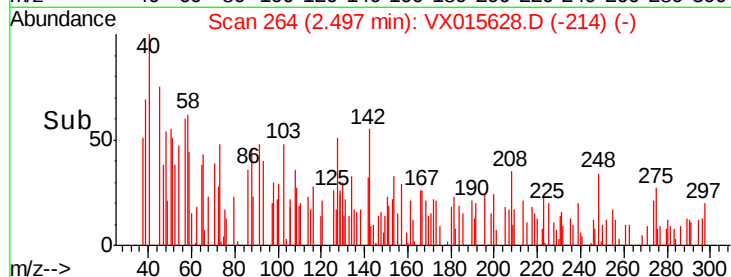
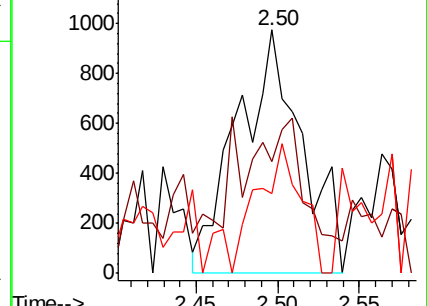
141 35.9 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 0.775 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015628.D

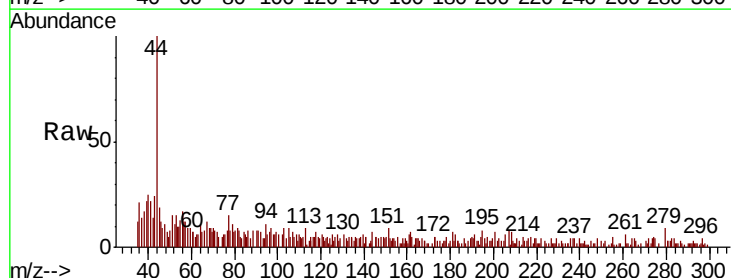
Acq: 10 Apr 2020 17:49

Tgt Ion: 56 Resp: 1602

Ion Ratio Lower Upper

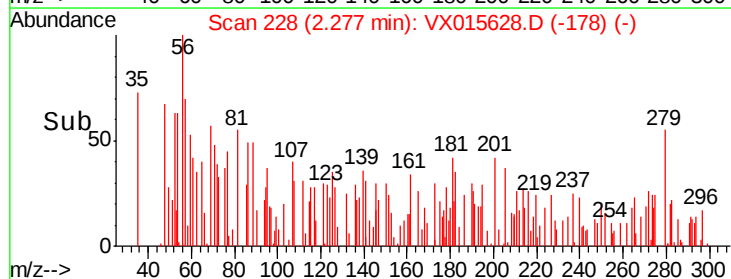
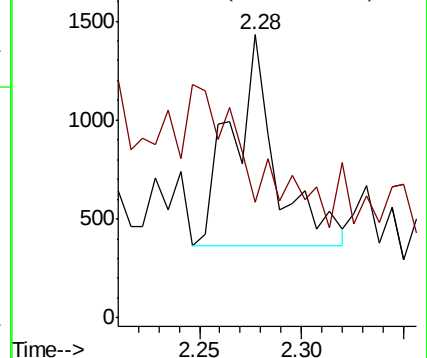
56 100

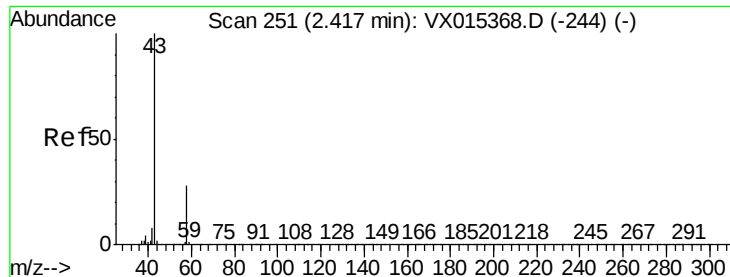
55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

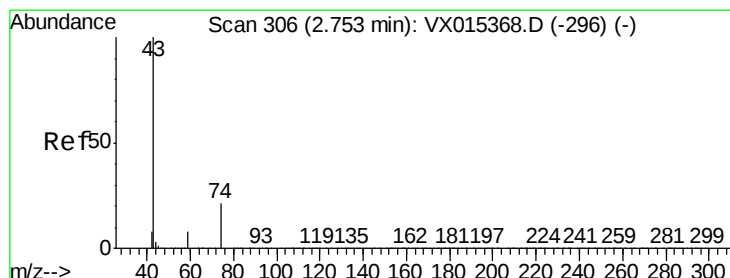
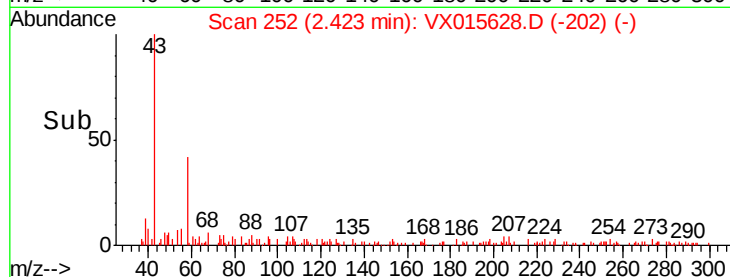
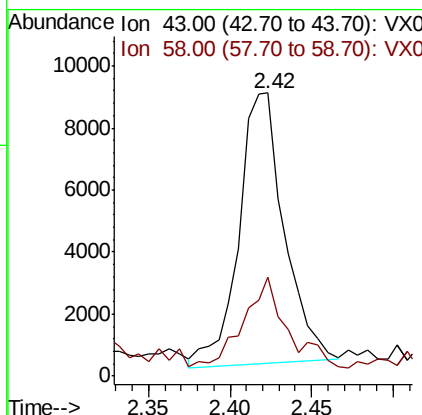
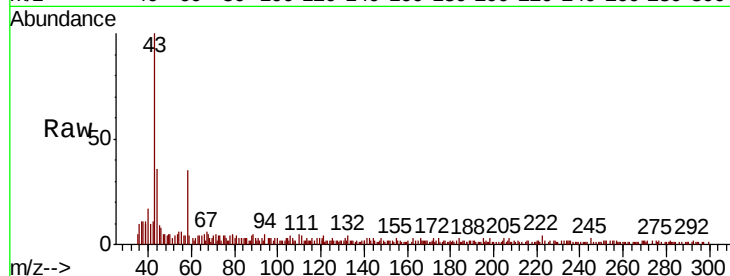




#16
Acetone
Concen: 2.614 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015628.D
Acq: 10 Apr 2020 17:49

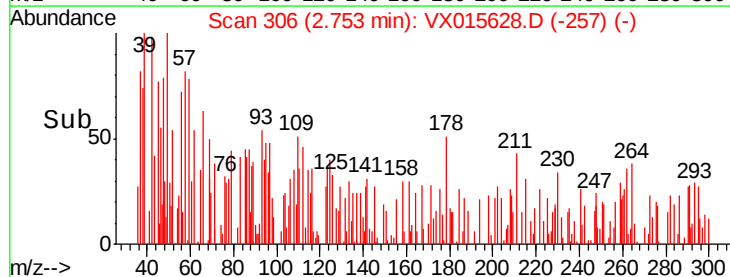
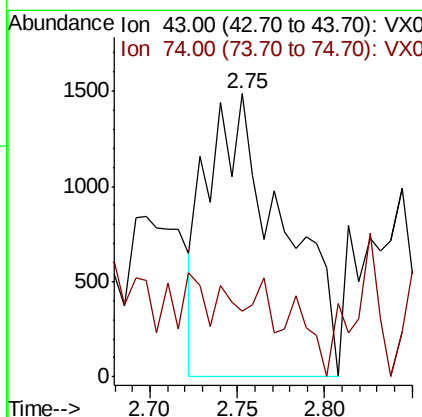
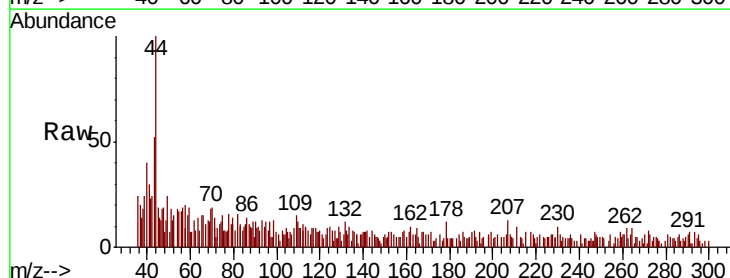
Instrument :
MSVOA_X
ClientSampleID :
KY062MW071-200406DL

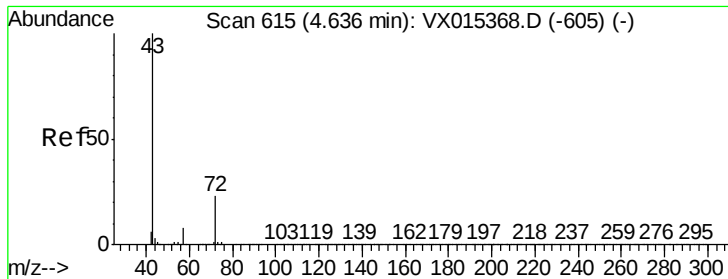
Tot Ion: 43 Resp: 17027
Ion Ratio Lower Upper
43 100
58 33.5 22.1 33.1#



#18
Methyl Acetate
Concen: 0.270 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015628.D
Acq: 10 Apr 2020 17:49

Tgt Ion: 43 Resp: 4484
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#





#25

2-Butanone

Concen: 0.566 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.02 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

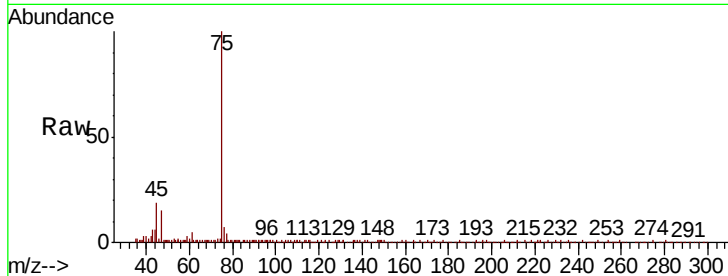
KY062MW071-200406DL

Tot Ion: 43 Resp: 5934

Ion Ratio Lower Upper

43 100

72 9.9 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

2500

2000

1500

1000

500

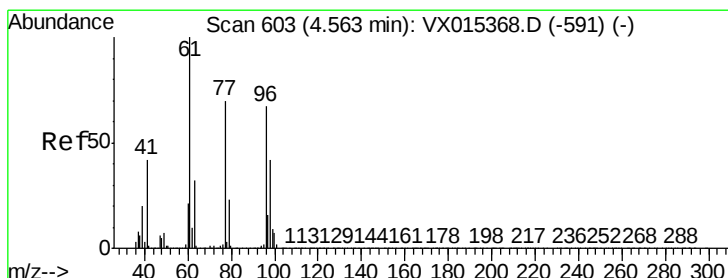
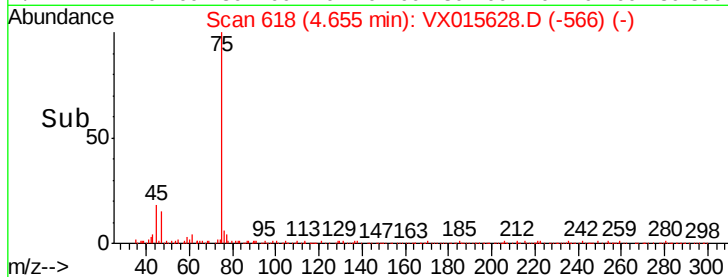
0

4.60

4.65

4.70

Time-->



#27

cis-1,2-Dichloroethene

Concen: 3.910 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

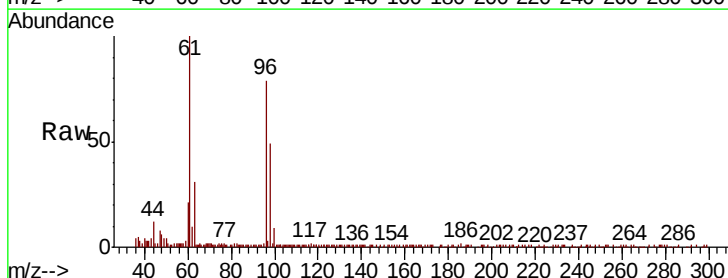
Tgt Ion: 96 Resp: 50959

Ion Ratio Lower Upper

96 100

61 141.1 0.0 308.4

98 66.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

30000

25000

20000

15000

10000

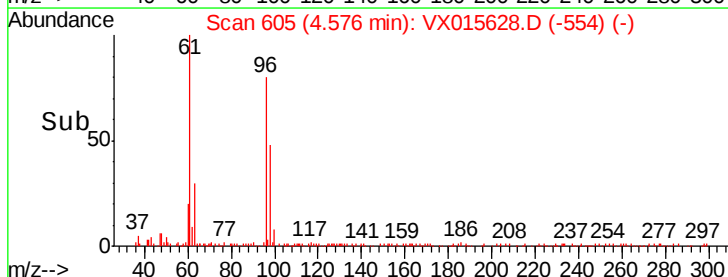
5000

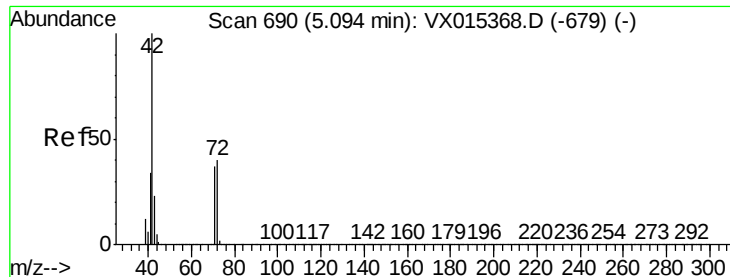
0

4.50

4.60

Time-->





#29

Tetrahydrofuran

Concen: 0.325 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.03 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

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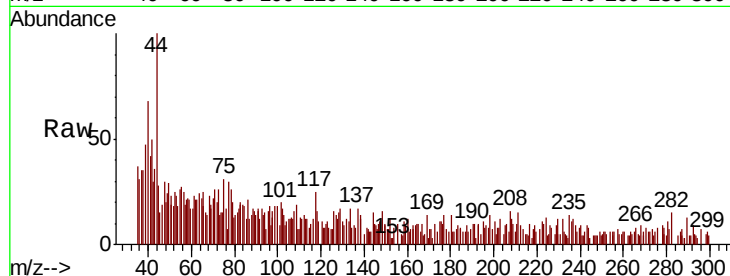
Tot Ion: 42 Resp: 2190

Ion Ratio Lower Upper

42 100

72 45.6 31.7 47.5

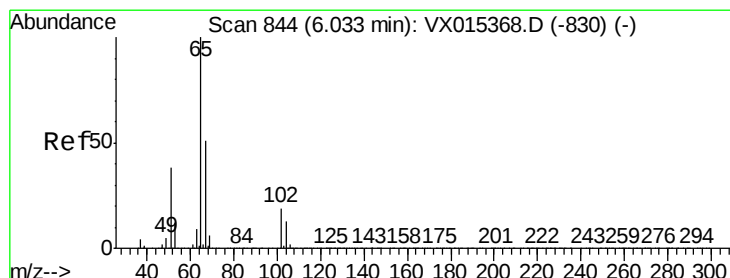
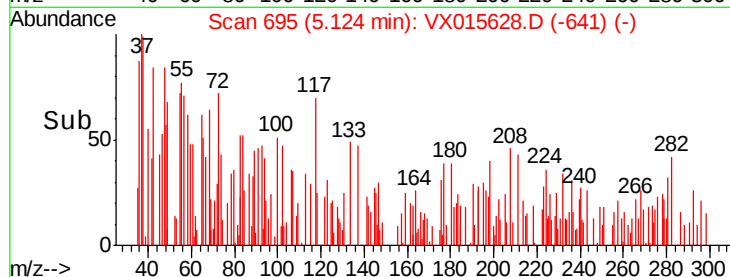
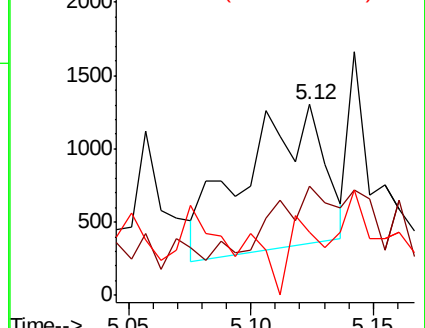
71 21.7 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.927 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015628.D

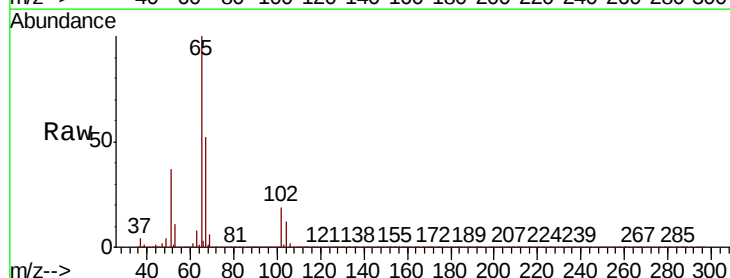
Acq: 10 Apr 2020 17:49

Tgt Ion: 65 Resp: 681172

Ion Ratio Lower Upper

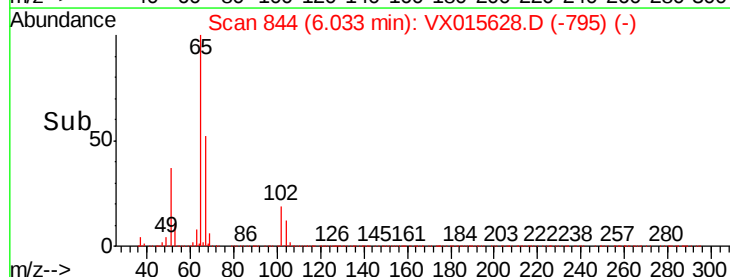
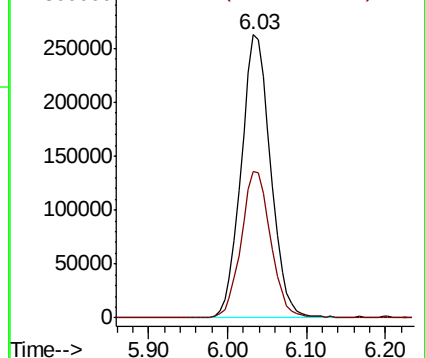
65 100

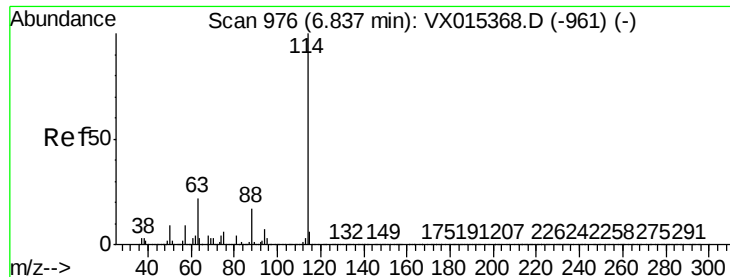
67 52.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

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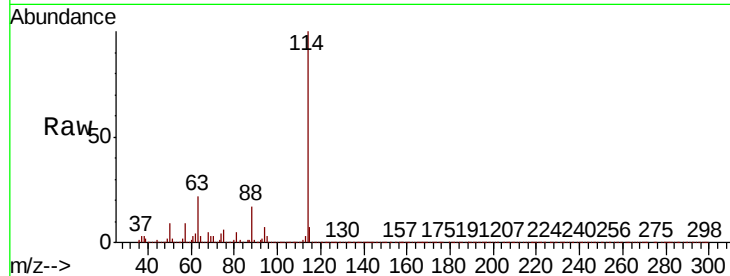
Tot Ion:114 Resp: 1673633

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.2

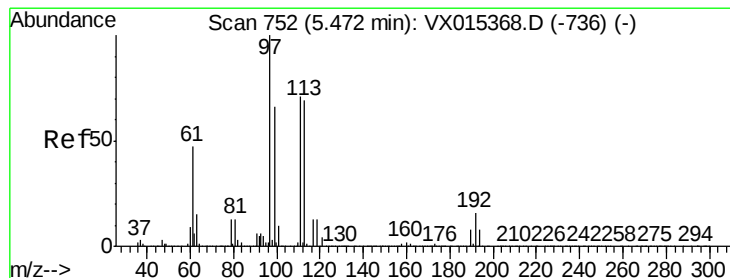
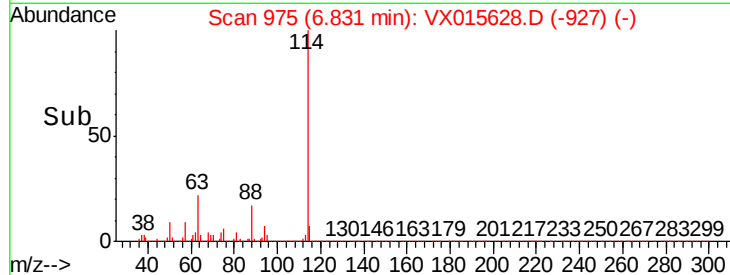
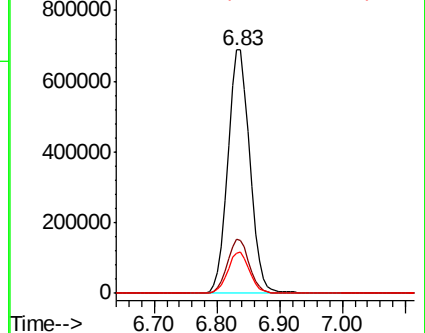
88 16.6 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.139 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

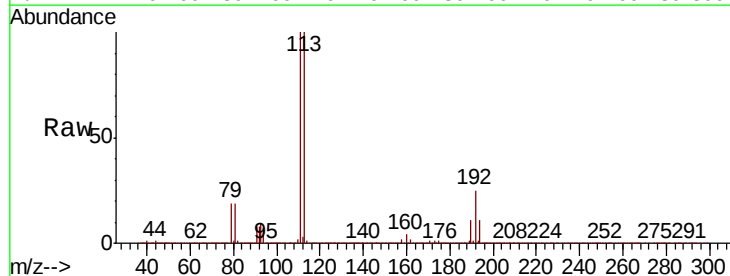
Tgt Ion:113 Resp: 504306

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

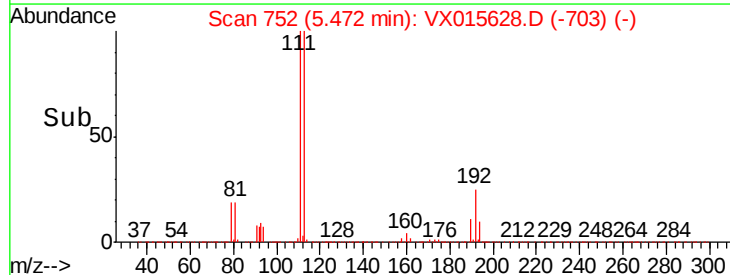
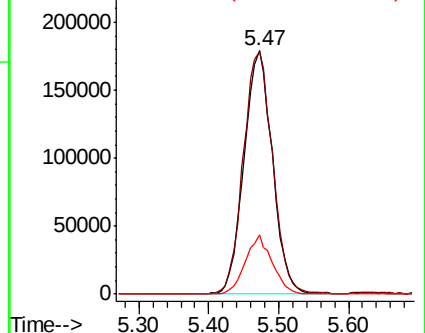
192 23.1 17.8 26.6

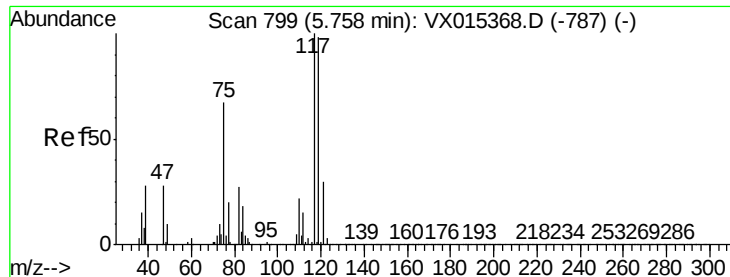


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.168 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

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ClientSampleId :

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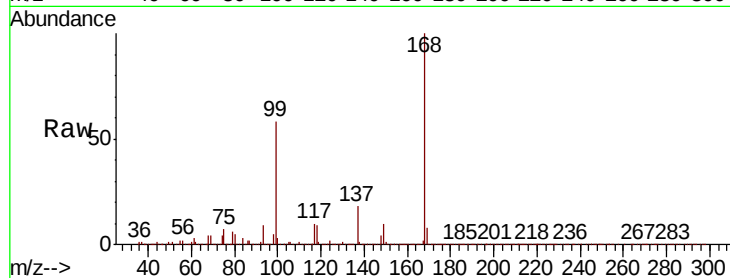
Tot Ion:117 Resp: 103015

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

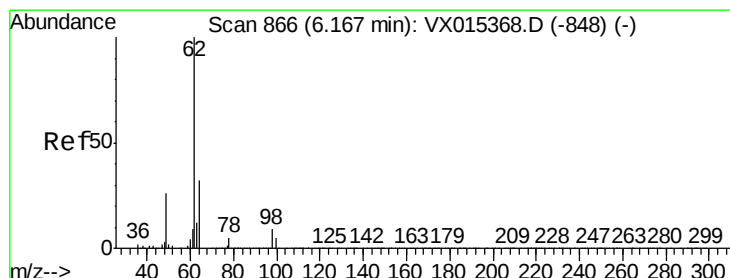
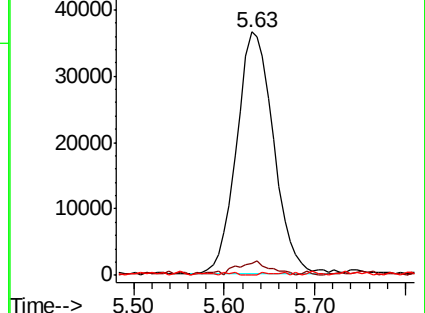
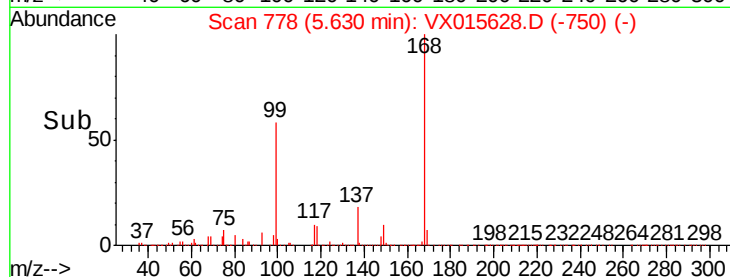
121 0.1 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#42

1,2-Dichloroethane

Concen: 0.213 ug/l

RT: 6.17 min Scan# 867

Delta R.T. 0.01 min

Lab File: VX015628.D

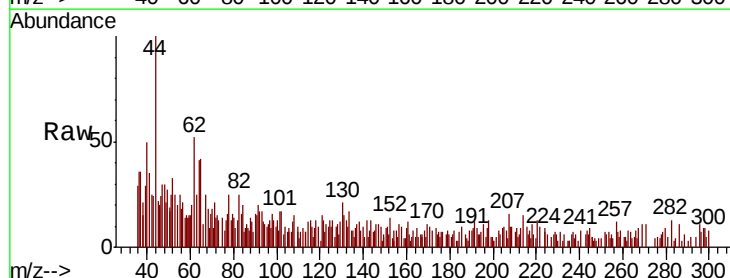
Acq: 10 Apr 2020 17:49

Tgt Ion: 62 Resp: 3859

Ion Ratio Lower Upper

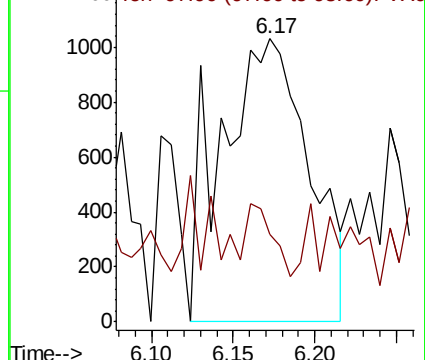
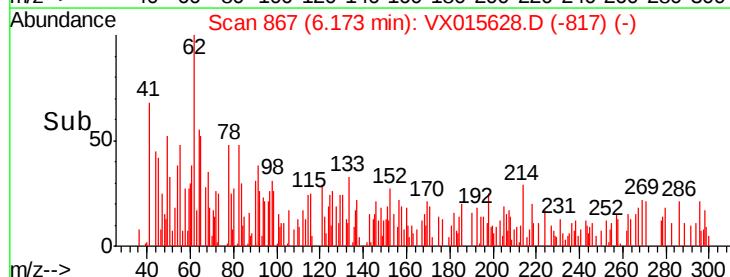
62 100

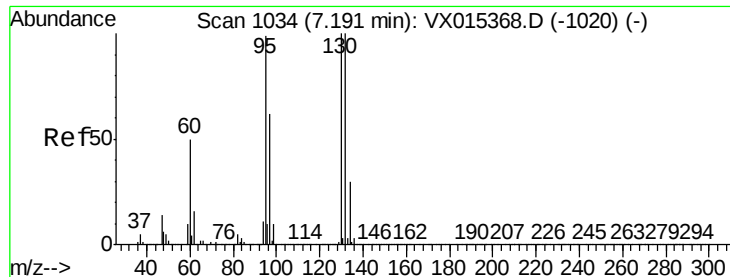
98 7.3 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 11.017 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

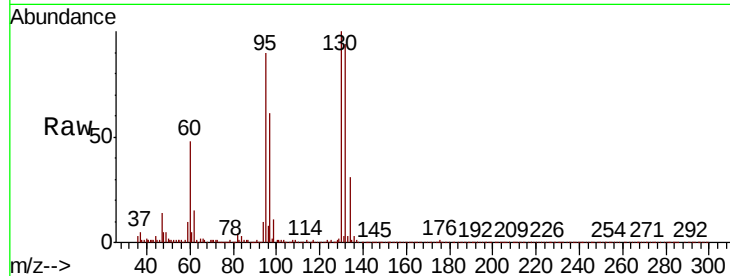
KY062MW071-200406DL

Tot Ion:130 Resp: 135721

Ion Ratio Lower Upper

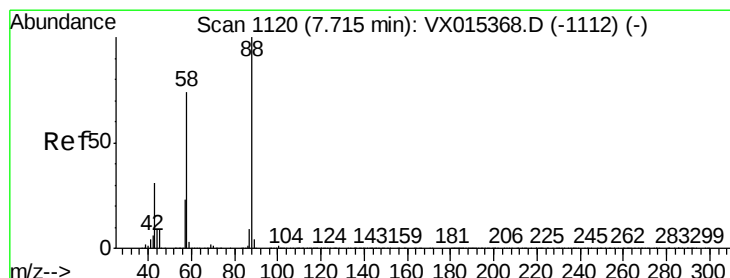
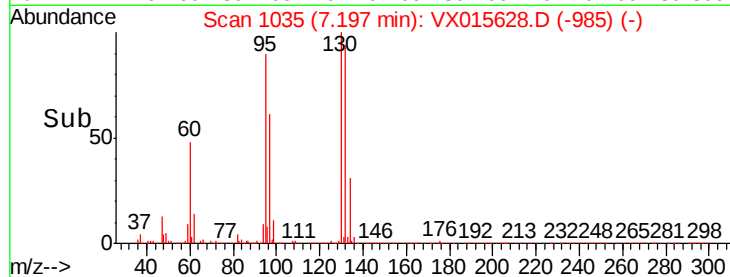
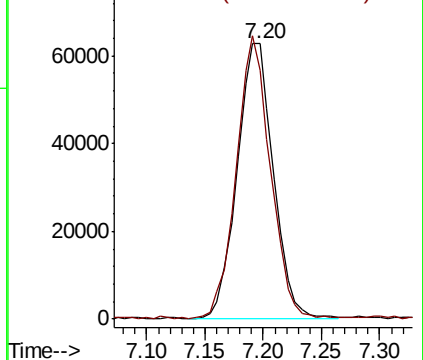
130 100

95 89.7 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.858 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

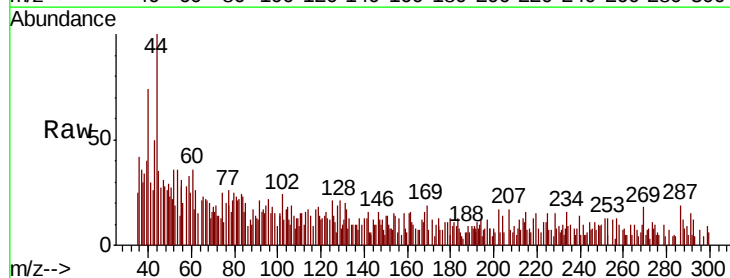
Tgt Ion: 88 Resp: 271

Ion Ratio Lower Upper

88 100

43 538.4 30.1 45.1#

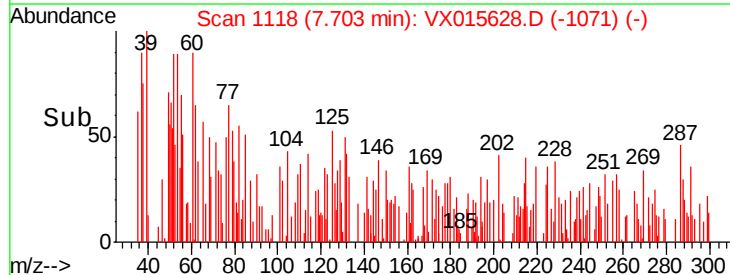
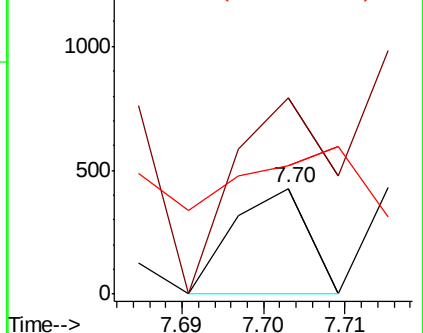
58 94.8 60.6 90.8#

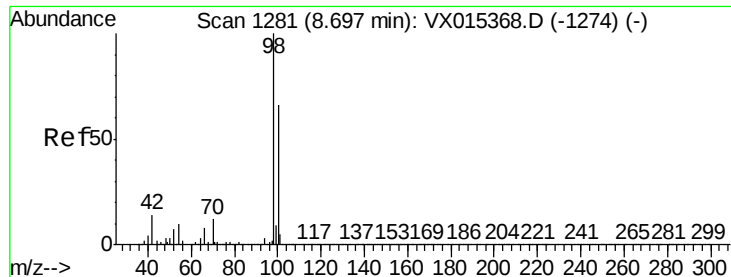


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

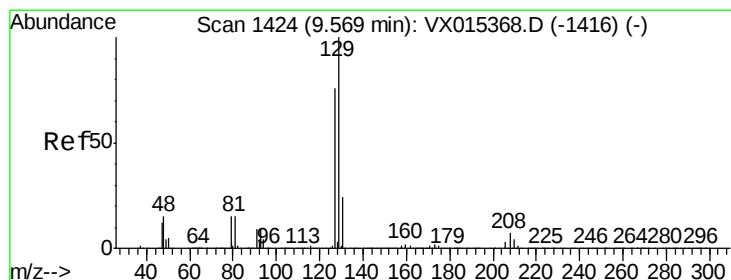
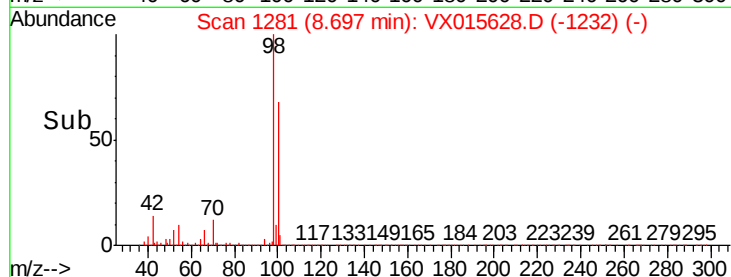
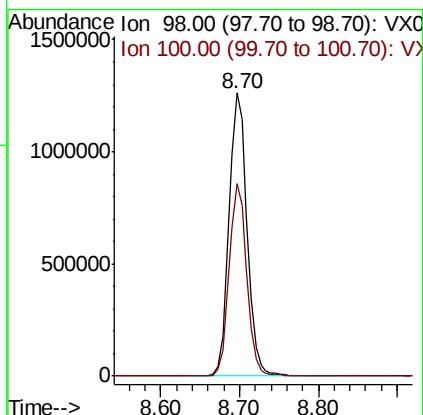
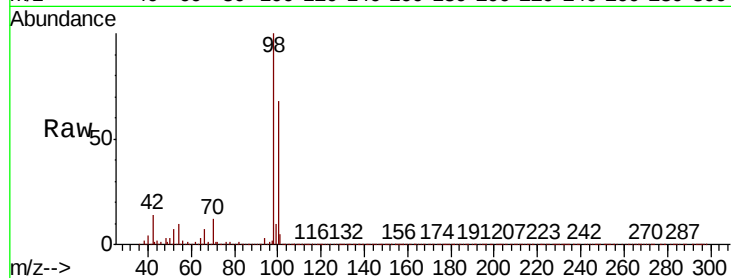




#50
Toluene-d8
Concen: 50.920 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015628.D
Acq: 10 Apr 2020 17:49

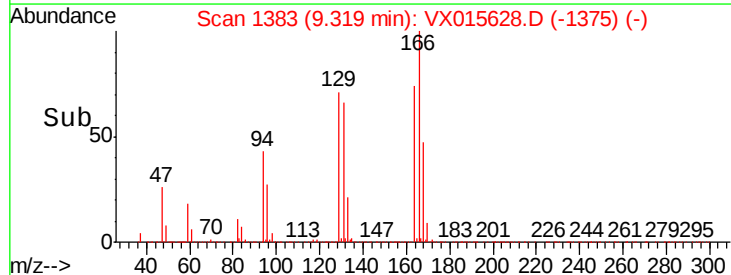
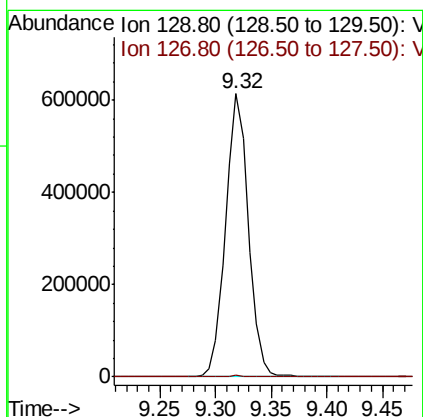
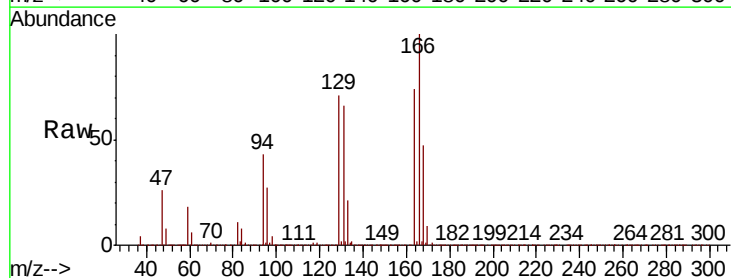
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-200406DL

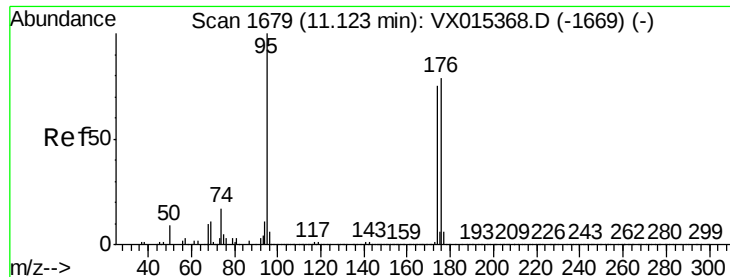
Tot Ion: 98 Resp: 2005640
Ion Ratio Lower Upper
98 100
100 66.6 53.5 80.3



#60
Dibromochloromethane
Concen: 63.400 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.25 min
Lab File: VX015628.D
Acq: 10 Apr 2020 17:49

Tgt Ion: 129 Resp: 869250
Ion Ratio Lower Upper
129 100
127 0.2 38.2 114.6#





#62

4-Bromofluorobenzene

Concen: 53.504 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-200406DL

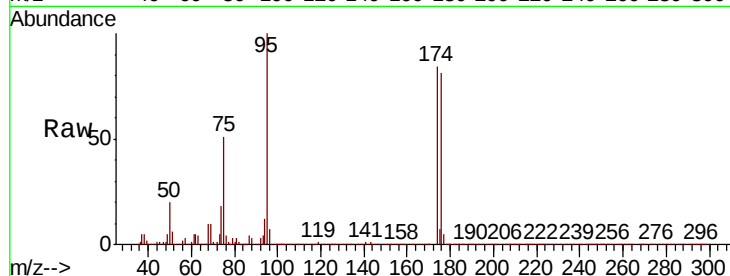
Tot Ion: 95 Resp: 856463

Ion Ratio Lower Upper

95 100

174 84.2 0.0 158.6

176 80.2 0.0 159.0

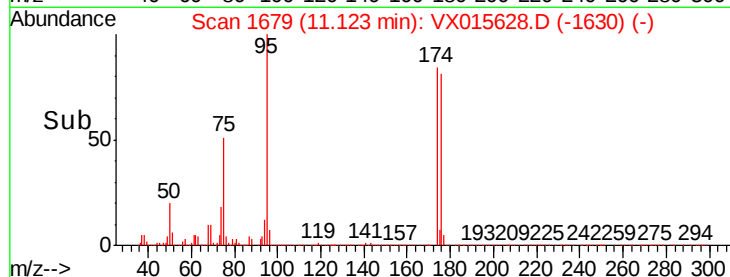


Abundance Ion 94.90 (94.60 to 95.60): VX015628.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015628.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015628.D (-1669) (-)

Time-->

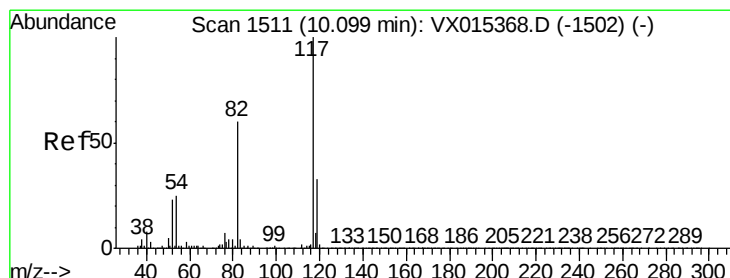


Abundance Ion 94.90 (94.60 to 95.60): VX015628.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015628.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015628.D (-1669) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

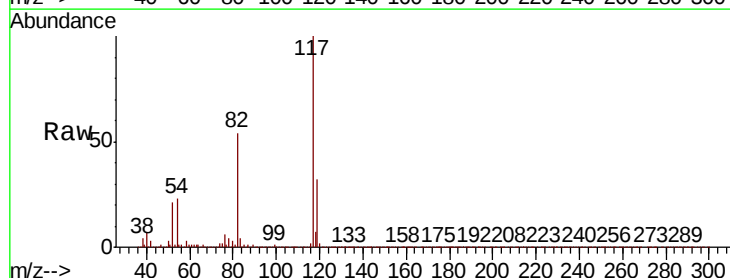
Tgt Ion: 117 Resp: 1626146

Ion Ratio Lower Upper

117 100

82 54.5 47.8 71.8

119 31.9 26.8 40.2

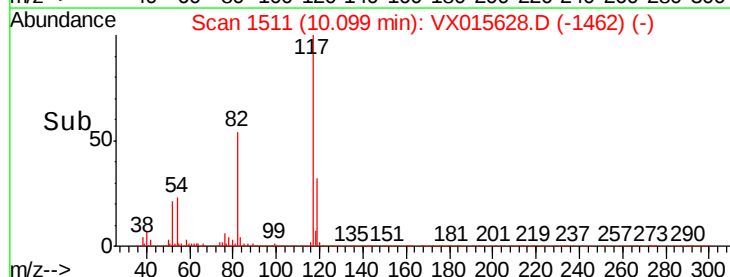


Abundance Ion 116.90 (116.60 to 117.60): VX015628.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015628.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015628.D (-1462) (-)

Time-->

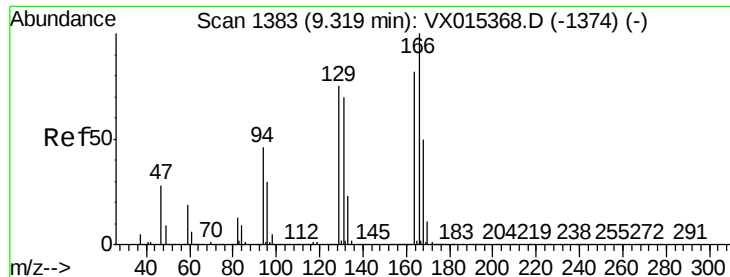


Abundance Ion 116.90 (116.60 to 117.60): VX015628.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015628.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015628.D (-1462) (-)

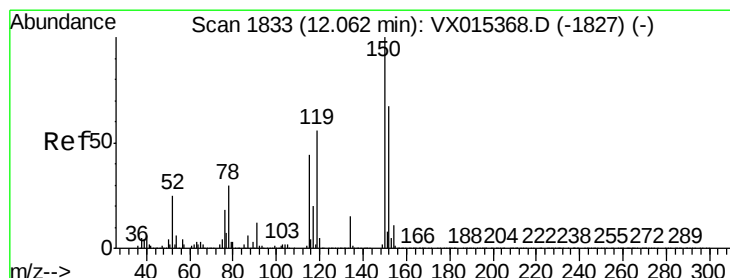
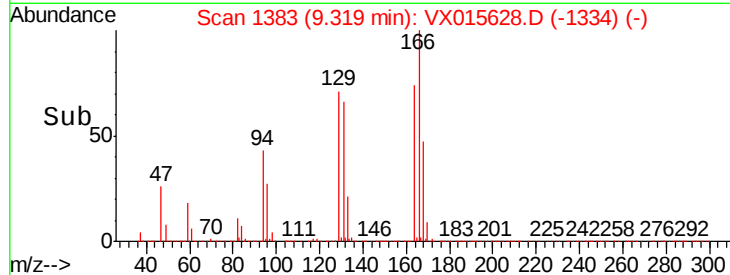
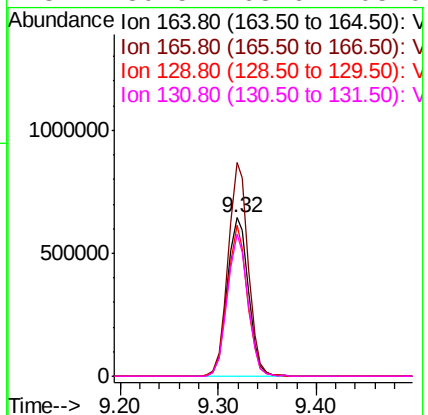
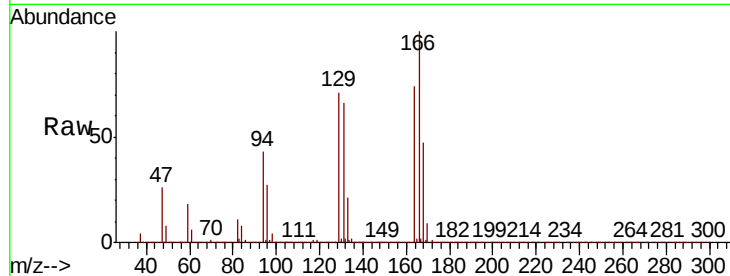
Time-->



#64
Tetrachloroethene
Concen: 79.061 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015628.D
Acq: 10 Apr 2020 17:49

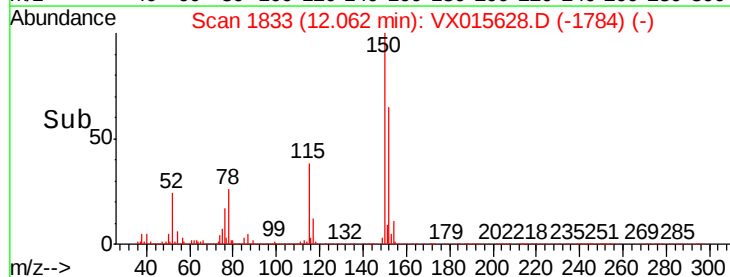
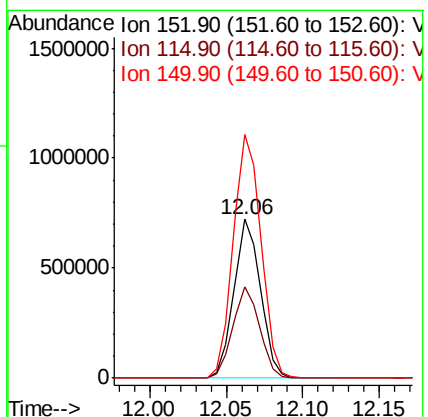
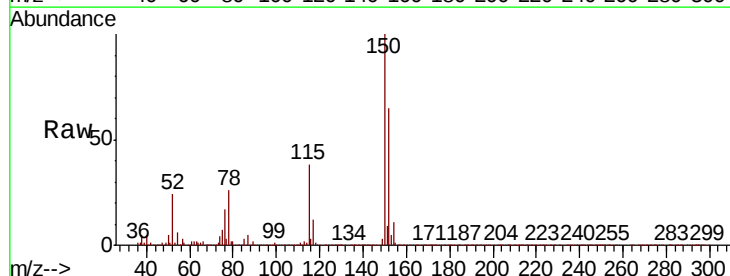
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-200406DL

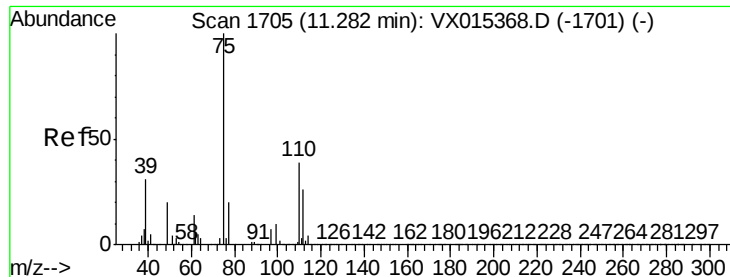
Tot Ion:	164	Resp:	970252
Ion	Ratio	Lower	Upper
164	100		
166	134.9	97.8	146.6
129	95.2	73.0	109.4
131	89.5	68.6	103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015628.D
Acq: 10 Apr 2020 17:49

Tgt Ion:	152	Resp:	872036
Ion	Ratio	Lower	Upper
152	100		
115	57.9	39.0	116.9
150	159.8	0.0	340.8





#76

1,2,3-Trichloropropane

Concen: 24.605 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

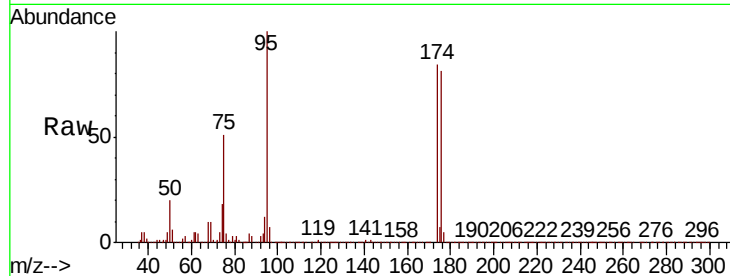
KY062MW071-200406DL

Tot Ion: 75 Resp: 441239

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

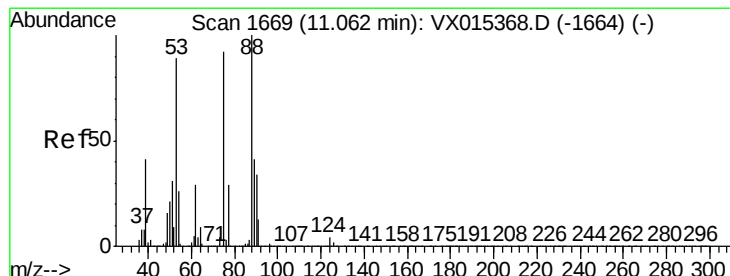
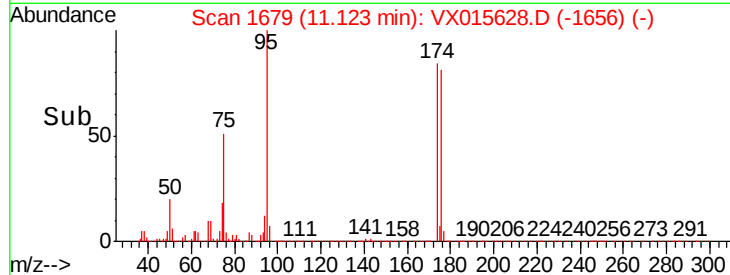
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.039 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

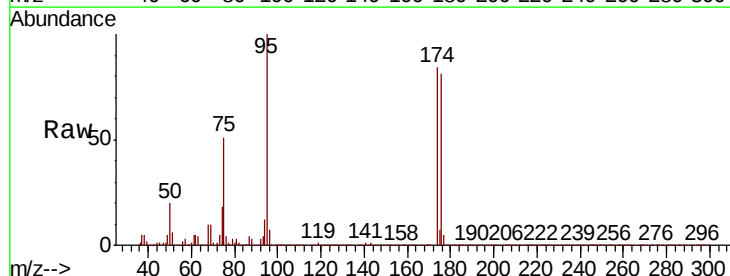
Tgt Ion: 75 Resp: 441239

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.12

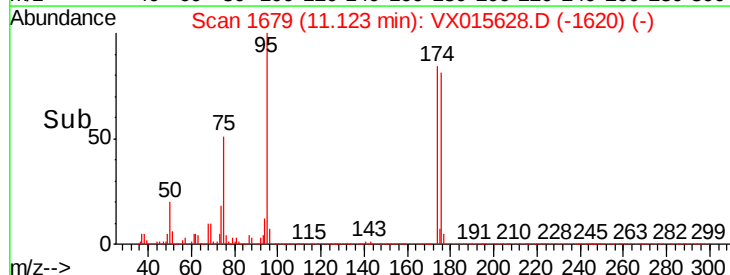
300000

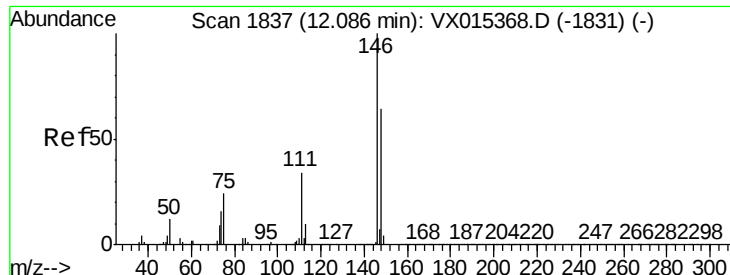
200000

100000

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 0.227 ug/l

RT: 12.09 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-200406DL

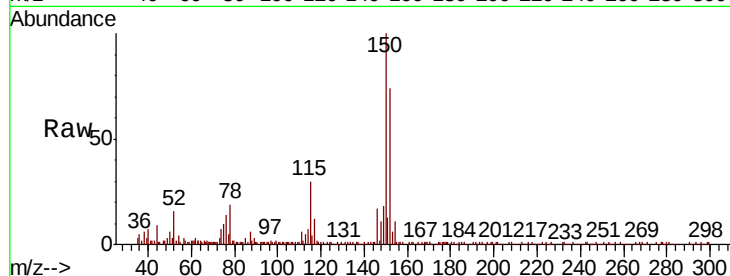
Tot Ion:146 Resp: 6312

Ion Ratio Lower Upper

146 100

111 0.0 19.1 57.5#

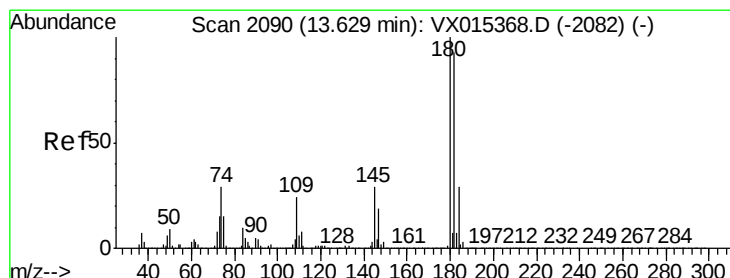
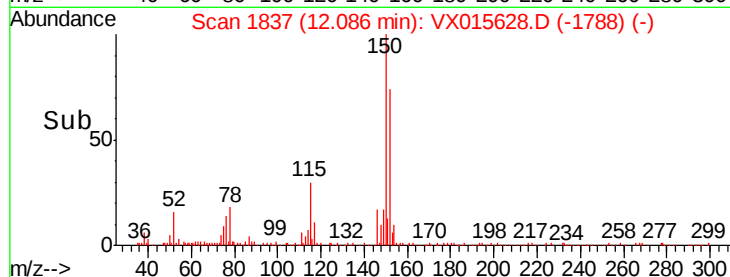
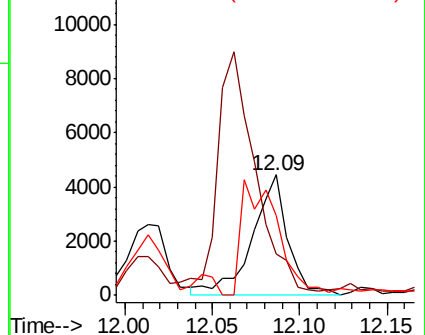
148 0.0 32.4 97.2#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.296 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. 0.00 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

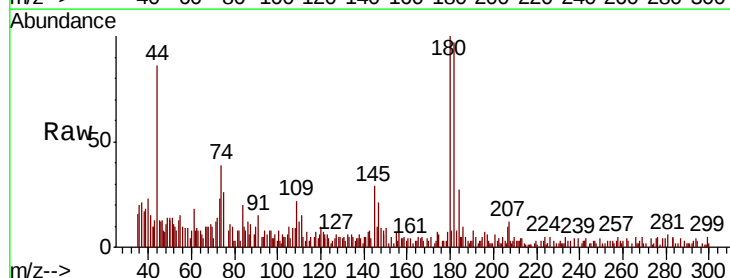
Tgt Ion:180 Resp: 6243

Ion Ratio Lower Upper

180 100

182 93.1 46.9 140.7

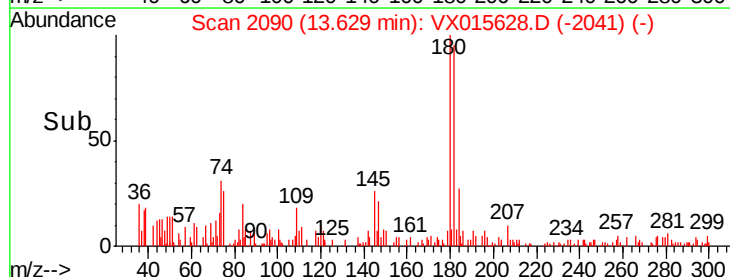
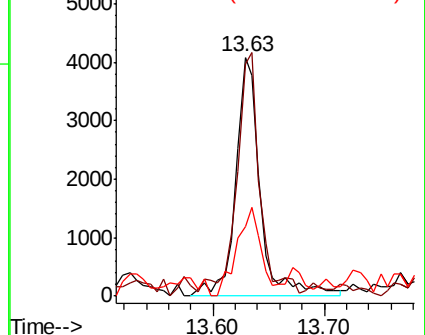
145 38.2 14.9 44.5

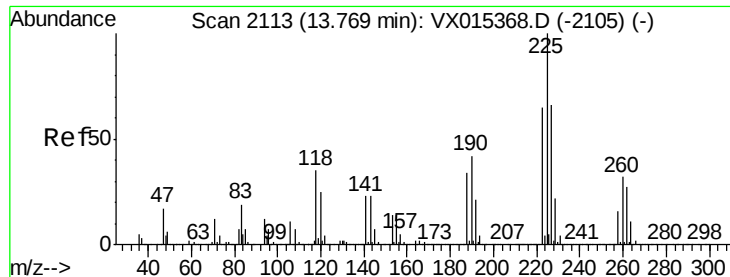


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.380 ug/l

RT: 13.76 min Scan# 2112

Delta R.T. -0.01 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-200406DL

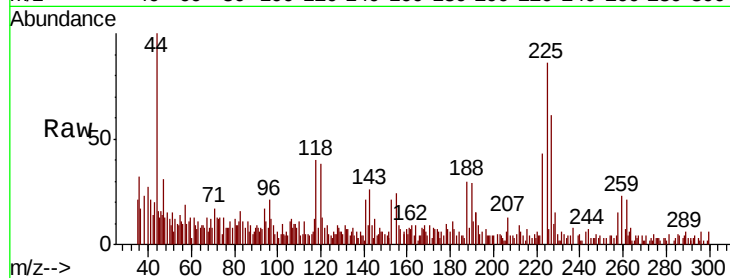
Tot Ion:225 Resp: 3824

Ion Ratio Lower Upper

225 100

223 58.2 31.9 95.7

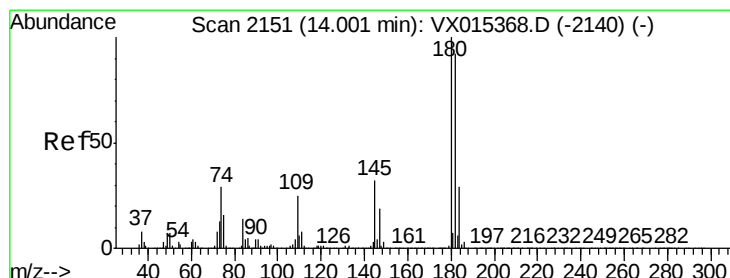
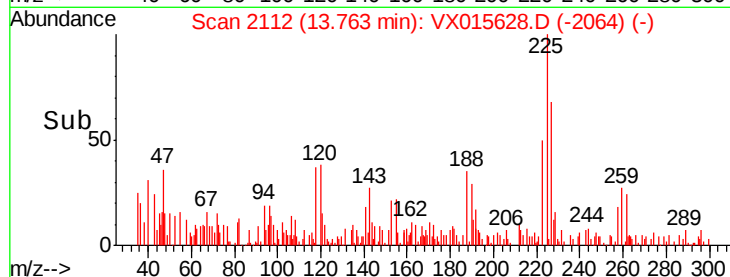
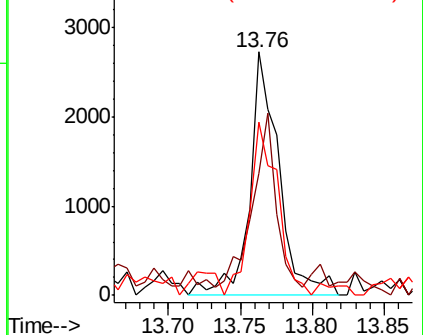
227 66.9 30.4 91.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.261 ug/l

RT: 14.00 min Scan# 2151

Delta R.T. 0.00 min

Lab File: VX015628.D

Acq: 10 Apr 2020 17:49

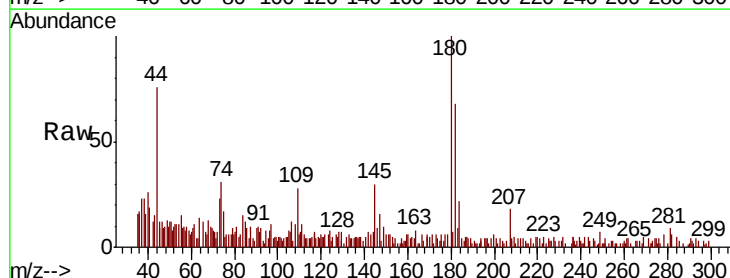
Tgt Ion:180 Resp: 5301

Ion Ratio Lower Upper

180 100

182 87.6 46.7 140.0

145 34.9 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

